

THE
GARDENERS' CHRONICLE.

A Weekly Illustrated Journal

OF

HORTICULTURE AND ALLIED SUBJECTS.

VOL. XVI.—NEW SERIES.

JULY TO DECEMBER, 1881.

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GARDENERS' CHRONICLE.

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IMPORTANT NOTICE.—Advertisers are cautioned against having Letters addressed to INITIALS, or to FICTITIOUS NAMES, at Post-offices, as Letters so addressed are not forwarded, but are sent at once to the Returned Letter Office.

THE GARDENERS' CHRONICLE IN AMERICA.

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THE GARDENERS' CHRONICLE,
Volume XIV., JULY to DECEMBER, 1880.
W. RICHARDS, 41, Wellington Street, Strand, W.C.

ROYAL HORTICULTURAL SOCIETY,
South Kensington, S.W.

NOTICE.—COMMITTEES' MEETINGS, Fruit and Floral, at 11 A.M.; Scientific at 1 P.M.; General Meeting for the Election of Fellows, &c., at 3 P.M., on TUESDAY next, July 12. Admission, 1s.
N.B.—Prizes offered by Messrs. HOOPER & Co., Covent Garden, to be competed for only by Amateurs or Gentlemen's Gardeners:—Calochortis, best collection, in bloom, 42s., 25s.

ALEXANDRA PALACE, N.
(Lessee—JONES and BARBER.)

GREAT ROSE SHOW (one day only), July 9.
ROSE FAIR and PRIZE for the BIGGEST GOOSEBERRY, July 16.
GRAND FLORAL DECORATIONS and LILY SHOW, August 6.
J. FORSYTH JOHNSON, Horticultural Director.

LUDLOW ROSE SHOW.—THE ANNUAL EXHIBITION OF ROSES will be held at the Assembly Rooms, Ludlow, on TUESDAY, July 12. Liberal open money Prizes will be given to Nurserymen, Amateurs, and Cottagers. Schedules of Prizes and Regulations may be obtained from the Rev. V. T. T. ORGILL, Hon. Sec., Ludlow.

CHISWICK, TURNHAM GREEN, and DISTRICT HORTICULTURAL SOCIETY.

President—His Grace the Duke of Devonshire, K.G.
GRAND EXHIBITION OF FLOWERS, FRUITS, &c., on THURSDAY, July 14, in the Royal Horticultural Society's Gardens, Chiswick. Band of the Scots Guards from 3 to 6 o'clock.
Entries for Exhibition to be sent to Mr. BARRON, Royal Horticultural Society's Garden at Chiswick, not later than July 9.
The Exhibition will be opened at 12 o'clock to Subscribers, and at 1 o'clock to the general public on payment of 2s. 6d. Admission at 3 o'clock, 1s.
J. T. MUSGRAVE, Hon. Secretary,
Sutton Court Road, Turnham Green.

LIVERPOOL HORTICULTURAL ASSOCIATION.

THE THIRD GRAND SUMMER EXHIBITION OF PLANTS, FLOWERS, FRUIT and VEGETABLES will be held in Sefton Park, on SATURDAY, July 30, and MONDAY, August 1. Entries close July 23.
THE SECOND EXHIBITION OF CHRYSANTHEMUMS and FRUIT will be held on WEDNESDAY, November 23. For Schedule of Prizes apply to
EDWARD BRIDGE, Secretary,
Whitebrooke Cottage, Hayton, near Liverpool.

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MR. WILLIAM BULL can now supply this pretty and desirable novelty, as announced by him last January, by the dozen or 100, at 10s. 6d. each. Establishment for New and Rare Plants, 536, King's Road, Chelsea, London, S.W.

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of the yellow flowers of *Trollius europæus*, also a fine spike of a purple *Orchis*, probably *O. latifolia*. *Geum rivale*, *Galium boreale*, and *Oxyria reniformis*, are all plentiful. The rarest plant of the place—*Lloydia serotina*—which grows on the inaccessible sides of the Kitchen, we could not recognise. It can only be distinguished from grass by the flowers, growing as it does quite out of reach; and the flowers, Mr. Griffith told us, last with marvellous regularity from June 15 to 25, and are then over. Ascending under the rocks on the south side of the Kitchen, where there is an easy track, we saw many pretty tufts of *Arenaria verna*, covered with snow-white flowers, and hanging by a slender tap-root from minute fissures in the perpendicular sides. In drier chinks the dwarf variety of *Solidago* known as *cambrica* becomes common, but it does not seem truly distinct, for I find that in my garden it soon assumes the coarseness of the common *S. virgaurea*. Still higher, *Gnaphalium dioicum* grows on the dry horizontal surface of the bare rocks, and *Saxifraga stellaris*, abundant everywhere but on the lower hills, seeming to be semi-aquatic, as we get higher appears to be satisfied with the moisture it gets from above, and grows amongst dry stones. It also increases in size; and in the shelter of some rocks at more than 3000 feet elevation I found a plant of it with leaves as large, though not as thick, as those of an average plant of London Pride. *Saxifraga nivalis*, which occurs on these mountains sparingly, we could not find; nor did we see *Dryas octopetala*, another rare native of these high and bare rocks.

On the summit of the Glyder is a level plateau like a sea of large stones, extending about 2 miles from east to west, with an average width of 300 feet and an elevation of 3000. Out of this rise many piles of huge loose rocks, heaped together so as to stand at every possible angle. The stone is rough, and at a moderate slope affords good foothold. Two of the largest piles are called *Glyder Vawr*, and *Glyder Bach*, which rise about 200 feet above the plateau. On this high ground vegetation, excepting mosses and lichens, becomes very scanty and stunted. *Vaccinium Myrtillus* goes to the very summit, also *Empetrum nigrum*; and we found there plenty of *Arctostaphylos Uva-ursi* in flower, but hardly rising out of the ground. I also recognised stunted forms of *Campanula rotundifolia*, and of *Tormentil* and *Eyebright*, and *Galium*, both saxatile and boreale. Amongst the large loose rocks on one of the summits was a luxuriant bed of *Beech Fern*, being the highest I have seen in Wales. Mr. Griffith was paying attention to lichens, and showed us a fine clump of Iceland moss he found there. I believe it is rare in Wales. From the summit of *Glyder Bach*, a small lake, *Llyn Boch-Llwyd*, may be seen about 1500 feet below. This Mr. Griffith was anxious to reach, and proposed to go straight down to it.

Now, as you view the northern face of the *Glyder* from *Nant-Francon*, it looks like a perpendicular precipice, but it may be descended by careful and experienced climbers at two or three points. However, I preferred to go round, and descended by a steep slope of loose stones just eastward of the ridge, which joins the *Glyder* to *Trifaen*. Making as fast as I could for the wall which separates the watershed, and crossing it at its lowest point, I was by the side of the lake in twenty minutes after leaving my friends. More than half an hour after me they arrived, and had found the descent so steep and difficult that they promised never to attempt it again. I have given these details of our route because it makes one of the finest rough mountain walks in Wales.

We were on the mountain six hours, but more than two were spent in botanising. The ascent of that fine mountain *Trifaen*, which I have often made, might easily be included in the

walk without extending the time. The ascent of the *Glyder* is generally made from *Capel Curig*, from which the slope is easy and gradual; but those who are fond of wild plants and of wild scenery, and can use their hands as well as their feet on a mountain, will find the walk I have described far more interesting. *C. Wolley Dod, Edge Hall, Malpas, July 4.*

New Garden Plants.

CATTELEYA GUTTATA (Lindl.) LILACINA, *n. var.*

This would be the rare *Cattleya guttata* Prinzi, *Rchb. f.*, if the ground colour of the sepals and petals were not light lilac in lieu of white or greenish-white, and if the darker spots were not more marginal. The grand lip is the same—whitish, with a hue of lilac, the middle lacinia of a glorious purple. It bears a raceme of nine grand flowers, and was imported under the name of *Cattleya guttata* Leopoldi by Sir Trevor Lawrence, Bart., M.P. *H. G. Rchb. f.*

CYPRIPEDIUM BURBIDGEI, *n. sp.**

Much in the way of *Cypridium javanicum*, Reinw., and *C. virens*, *Rchb. f.*, but very easily distinguishable by the staminode, which is quite abrupt in front, and with three exceedingly obscure teeth. The lip is more conical than in any species of the affinity quoted, resembling that of *Cypridium Petri* and *Dayanum*. Petals light green, with a row of most obscure dark warts on each side, and one on the middle line, and some mauve on the lips' margins. The upper sepal is almost triangular, as in *Cypridium purpuratum*, with nine green nerves. The upper sepal is very small and short. Leaves nearly those of *Cypridium javanicum*.

My first acquaintance with this was undoubtedly made by the assistance of Mr. S. Low, who pointed out the affinity with *Cypridium javanicum* when I urged that with *virens*, *Rchb. f.*, though the petals are too much bent down. It was a flower apparently of a fresh importation, weak. I asked for a second flower, but till now it has not flowered again, and may have been sold long since.

Lately I obtained it, with a fine, strong, well-rooted plant, from Messrs. Veitch. It grew together with *Cypridium Petri*, and it is more gay in its colours. Mr. H. Veitch was pleased by my suggestion to name it in compliment to Mr. Burbidge, since I like to have two *Cypridium*s as near companions, just as those two travellers were good companions. *H. G. Rchb. f.*

AERIDES FALCATUM (Lindl.) EXPANSUM, *n. var.*

This is easily distinguished from the old and rare genuine form by its expanded lip, as well by the middle and side lacinia. There are rather large amethyst blotches on the side lacinia and on the side parts of middle lacinia, excepting the large median and anterior deep purple area. The petals and sepals appear to be more marked with purple than the ovary. One cannot help thinking of *Aerides crispum* when seeing the flowers; and the base of the keels in front of the mouth of ovary are also very abrupt; there is an intermediate keel between, and all together are shorter. The spur is not white, but sordid red with an orange apex. This beauty came to my hands from Messrs. J. Veitch & Sons. *H. G. Rchb. f.*

ANGULOEA MEDIA, *n. hybr.*

This is a hybrid, raised no doubt between *Anguloea Clowesii* and *Ruckeri*, Lindl. It has the sepals and petals nearly orange-yellow outside, brownish-purple inside. The side sepals, however, have an orange middle line and much orange at the base, with some brown pallid spots and lines. The lip has the very short anterior lacinia usually seen in *Anguloea Clowesii*, but its side lacinia are reddish-brown, the disc ochre-coloured. The strong column is yellow, with numerous brown spots. It was kindly sent by Mr. Bowring, Forest Farm, Windsor. *H. G. Rchb. f.*

EPIDENDRUM TRIPUNCTATUM, Lindl.

This has been very correctly described by Dr. Lindley in *Bot. Reg.* 1841, p. 66, misc. 143. It might, however, be rather regarded as an *Osmophytum*, together with *Epidendrum hastatum* and its two allied species. I have before me a glorious mass of it, introduced recently from Mexico by Messrs. J. Backhouse, and most kindly sent me, doing great honour both to the firm and to their excellent fibrous peat. It is an accumulation of fifty ovoid shining bulbs, three peduncles, two of which are two-flowered, and ten breaks

* *Cypridium Burbidgei*, *n. sp.*—(Coriifolia tessellata.) Foliis Cypridii javanici, Reinw.; pedunculo paulisper puberulo; bractea triangula brevissima ovario multo breviori; sepalo impari ovotriangulo acuto utrinque novemnervi; sepalo pari connato labello bene breviori; tepalibus ligulatis acutis, utrinque et per medium minute verruculosi minute ciliatis; labello sacco conico; staminodio transverso semielliptico antice retuso medio minutissime obsolete tridentulato. Ex Borneo. *H. G. Rchb. f.*

of linear-acute leaves. The flowers are stellate. The sepals and petals are lanceo-triangular, acute, spreading, greenish-yellow to yellow. The oblong convex lip is very large, rugose by elevations, not by warts, whitish-yellow; its colour is blackish-purple above, with three orange retuse teeth around the androclinium. There can be no doubt this peculiarity suggested the name to Dr. Lindley.

The specimen preserved in Dr. Lindley's herbarium, sent by Mr. Richard Harrison, of Aigburgh, was not so well grown as the Backhousean plants; it had very long flaccid leaves and much smaller flowers. The flowers before me are not much smaller than those of a middle-sized *Epidendrum nemorale*, Lindl.

There is a second *Epidendrum tripunctatum*, Lindl. (from Lindley's herbarium, named thus by Messrs. Loddiges), *Folia*, *n.* 126. This must be called *punctiferum*. *H. G. Rchb. f.*

SCILLA (LEDEBOURIA) SUBSECUNDA, Baker.*

This is another new *Scilla* of the Ledebouria set, of which the bulb was sent by Mrs. Bowker from the eastern district of Cape Colony to Kew, where it has just flowered for the first time. It is allied to *S. colorata*, *lorata*, and *tricolor*.

Bulb globose, about 2 inches in diameter; leaves eight or nine, contemporary with the leaves, the outer spreading, lanceolate, 6–8 inches long, $1\frac{1}{2}$ – $1\frac{3}{4}$ inch broad, plain green on the face, flushed with reddish-brown on the back, and marked with a few transverse bars of the same colour towards the base, the inner narrower and longer, sub-erect, about 1 foot long and 1 inch broad. Scape pendulous, very flexuose, about 1 foot long. Flowers in a dense subsecund oblong raceme, half a foot long; lower and central pedicels $\frac{1}{2}$ – $\frac{3}{4}$ inch long; bracts minute, deltoid; rachis very much ridged. Perianth oblong, $\frac{1}{4}$ inch long, greenish externally, greenish-brown inside, the segments reflexing from a short basal cup. Filaments bright purple, as long as the perianth-segments. Ovary stipitate and discoid; style finally $\frac{1}{4}$ inch long. *J. G. Baker.*

ROSE NOTES.

ROSES AND ROSE SHOWS.—The time of Roses is come again, and with it the time of Rose shows. Amongst a portion of our horticultural friends, and that by no means a small one, there will be a Rose fever for the next three or four weeks. Excited exhibitors will be rushing about from place to place; travelling by night trains, sitting in guards' vans on their boxes discussing the beauty of Countesses and Duchesses with a familiarity that shows they move in the very highest society—military critics, too, talking over the respective merits of general officers—appraising the form and texture of fair damsels in a manner that might make them well blush if they could only hear them; and over the wide extent of this fair island of ours there will be such a general excitement about our national flower that shows that it occupies a place *per se* in the horticultural world. No other flower can command such an extensive constituency, or have sufficient interest to maintain so many shows in its sole honour. On the very threshold, then, of this exciting time I should like, as a rosarian and exhibitor, to say something on the subject of Roses and Rose shows.

There is one class of Rose growers with whom I must profess to have little sympathy—those with whom a Rose show is the “be-all and end-all” of a Rose. However beautiful in other respects a Rose may be, if it have not the qualities that make an exhibition Rose it is in their eyes worthless. It may have the exquisite form of *Comtesse de Chabillant*, but it won't do, it is too small; it may have the peculiarly attractive tint of *Souvenir du Dr. Jamain*, but it cannot be grown, it is too thin. On the other hand, a Rose may not have an atom of perfume, like *Victor Verdier* and his numerous progeny, but it must be grown, as it is a fine exhibition Rose; it may have a miserable constitution, like *Marquis de Mortemarte*, but then you very seldom get a good bloom from it, at any rate from a maiden; and so, although to grow it is only practicable for a year or so, yet for this chance it must have a place. I cannot but think these Rose growers make a mistake. Every one, without exception, tries to smell a Rose when they receive

* *Scilla* (Ledebouria) *subsecunda*, Baker.—Bulbo globoso magnitudine mediocri; foliis 8–9 synanthibus lanceolatis vel loratis pedibus 1– $1\frac{1}{2}$ poll. latis viridibus dorso rubro-brunneo suffusus prope basin maculis paucis transversalibus rubro-brunneis decoratis, scapo pedulo flexuoso subpedali, floribus to racemum densum oblongum subsecundum dispositis; pedicellis flore 2–3-plo longioribus; bracteis minutis deltoidibus, perianthi oblongi 3 lin. longi segmentis extus viridulis intus viridulo-brunneis flore expanso profunde reflexis; filamentis splendide purpureis perianthio æquilongis; ovario stipitato basi discoidio producto. *J. G. Baker.*